January 9, 2007

## **MEMORANDUM**

To:

Service List (attached)

USEPA, Underground Injection Control Branch (WU-16J)

Alan Tenenbaum, U.S. Department of Justice

Mary Ann Habeeb, State of Indiana

From:

Ronald E. Hutchens, P.E.

Subject:

Progress Report No. 176

December 1 through December 31, 2006 Remedial Design/Remedial Action Midco I and II Sites, Gary, Indiana

## PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Collected the quarterly influent and effluent samples from the Midco I and II Sites' ground water treatment system (GWTS) on December 5, 2006.
- Received USEPA letter, dated December 21, 2006, regarding the Midco I and II Operation, Maintenance, Monitoring, and Closure Plans (OMMCPs); Construction Completion Reports (CCRs); Midco I Quarterly Report No.2; Midco I soil vapor extraction (SVE) operations; and 2005 Annual Ground Water Monitoring Report.
- Continued operations of the Midco I Site's SVE system and the Midco II Site's soil vapor extraction/air sparging (SVE/AS) system. Monthly monitoring of the Midco I Site's SVE system and the Midco II Site's SVE/AS system was performed the week of December 18, 2006.

## MIDCO DEEP INJECTION WELL OPERATING CONDITIONS

- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table 1. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

- Williams , 1990-100 a	Midco I Site	Midco II Site	Deep Well Site
December	1,356,954	2,300,046	3,657,000
Year-to-Date	14,040,702	23,712,498	37,753,200
Total-to-Date	117,061,089	166,993,411	284,054,500